ELSEVIER

Journal of Hydrology 269 (2002) 255

Journal of Hydrology

www.elsevier.com/locate/jhydrol

Contents of Volume 269

Vol. 269 Nos. 1–2 **December 1, 2002**

Special Issue: River FLow Influence by Biological and Morphological Processes

Preface 1
Micro scale exchange processes between surface and subsurface water
Stefan Vollmer, Francisco de los Santos Ramos, Helge Daebel and Gregor Kühn 3
At-a-site variation and minimum flow resistance for mountain rivers
J.C. Bathurst 11
Hydraulic resistance of submerged flexible vegetation
Ursula Stephan and Dieter Gutknecht 27
Flow resistance of flexible and stiff vegetation: a flume study with natural plants
Juha Järvelä 44
Flow resistance in open channel flows with sparsely distributed bushes
M. Righetti and A. Armanini 55
An analytical–numerical approach to the hydraulics of floating debris in river channels
D. Bocchiola, F. Catalano, G. Menduni and G. Passoni 65
1D unsteady-state flow simulation of a section of the upper Rhine
Hiromu Yoshida and Andreas Dittrich 79
Unsteady 1D flow model of compound channel with vegetated floodplains
T. Helmiö 89

Vol. 269 Nos. 3–4 **December 15, 2002**

Use of wavelet transform for temporal characterisation of remote watersheds
C. Gaucherel 101
Improving the analysis of slug tests
C.D. McElwee 122
Numerical delineation of transient capture zones
G. Rock and H. Kupfersberger 134
Preferential flow in macroporous swelling soil with internal catchment: model development and applications
R. Greco 150
A field investigation of groundwater/surface water interaction in a fractured bedrock environment
J.P.A. Oxtobee and K. Novakowski 169
Mapping spatial variation in surface soil water content: comparison of ground-penetrating radar and time domain reflectometry
J.A. Huisman, J.J.J.C. Snepvangers, W. Bouten and G.B.M. Heuvelink 194
Groundwater hydrochemistry in the active layer of the proglacial zone, Finsterwalderbreen, Svalbard
R.J. Cooper, J.L. Wadham, M. Tranter, R. Hodgkins and N.E. Peters 208
A deterministic geometric representation of temporal rainfall: sensitivity analysis for a storm in Boston
N. Obregón, B. Sivakumar and C.E. Puente 224
Geomorphic impacts of flash flooding in a forested headwater basin
J.D. Phillips 236

Errata

Erratum to the special issue "Non-Invasive Methods in Hydrology" [Journal of Hydrology 267/3–4 (2002)]
H. Vereecken 251
Erratum to "Advanced flood forecasting in Alpine watersheds by coupling meteorological observations and forecasts with a distributed hydrological model" [Journal of Hydrology 267 (2002) 40–52]
K. Jasper, J. Gurtz and H. Lang 253

PII: S0022-1694(02)00342-6